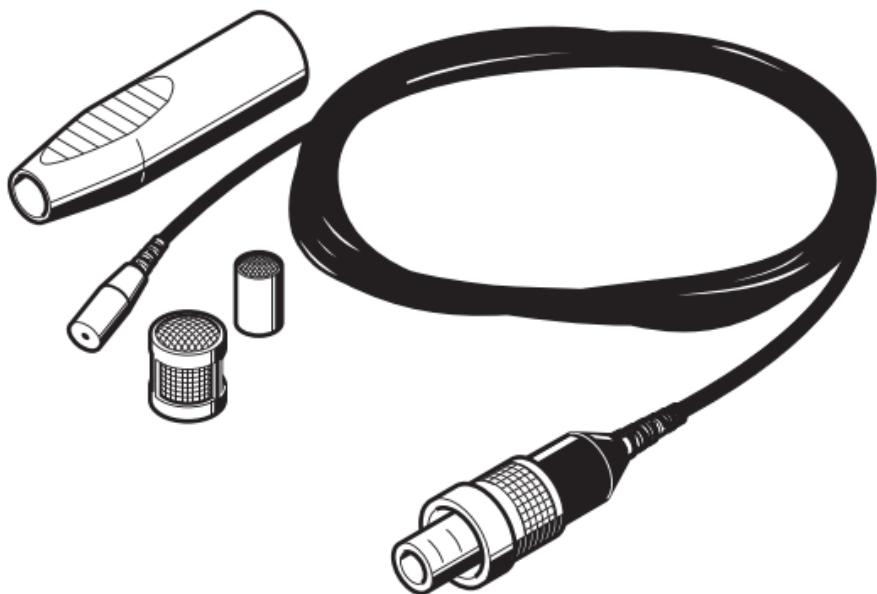


MKE 1

Instructions for use



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MKE 1

The MKE 1 is a high-quality, sub-miniature, sweat-resistant clip-on condenser microphone. It features excellent sound quality and rugged design. The frequency response curve has been optimized for stage, studio and reporting applications (ENG). The MKE 1 is fitted with a very thin (only 1 mm) yet extremely rugged cable, making this microphone an ideal partner for all live sound applications.

Features

- Sub-miniature microphone
- High maximum sound pressure level
- Wide frequency response with adaptable treble response
- Thin (only 1 mm), flexible and rugged cable, low in handling noise
- Very insensitive to the penetration of sweat due to a special protective "umbrella" diaphragm

Delivery includes

- 1 MKE 1 microphone
- 1 MZC 1-1 frequency response cap, small
- 1 MZC 1-2 frequency response cap, large
- 3 make-up protectors
- 1 instruction manual

Treble boost

Your microphone is supplied with two different frequency response caps.

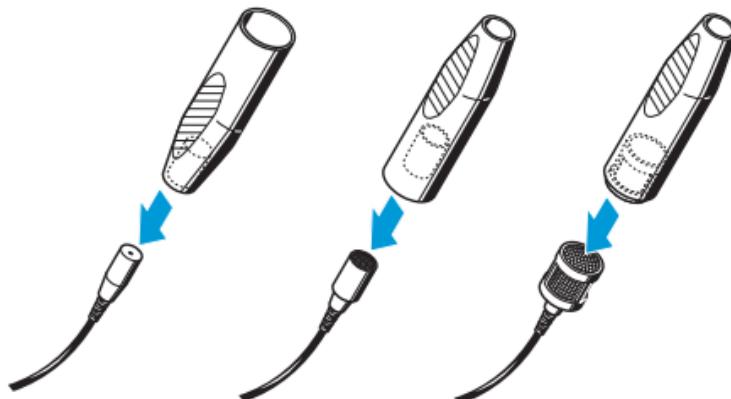
These caps allow you to adjust the treble response of the microphone (see "Free-field frequency response curve" on page 7). In addition, the large frequency response cap attenuates wind noise by approx. 15 dB and provides an extended protection against the ingress of moisture.

Slip the cap of your choice onto the microphone until it locks into place.



MZC 1-2

Make-up protection

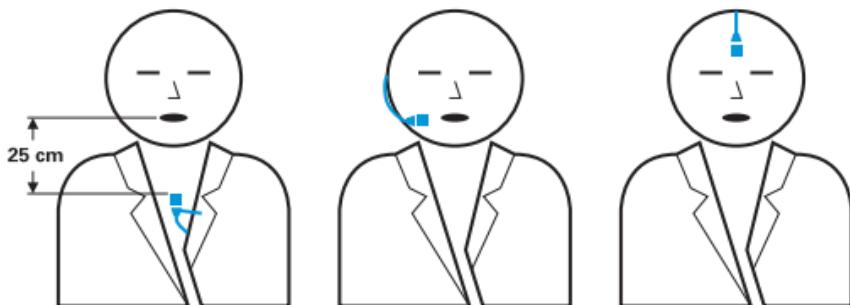


When putting on make-up, protect the MKE 1 by using the make-up protector. The make-up protector is easy to install: just slip it onto the microphone (with or without frequency response cap). The make-up protector prevents make-up and hair spray from penetrating the microphone.

Only remove the make-up protector after make-up has been completed.

Attachment of the microphone

Depending on the area of application, you can attach the MKE 1 in different ways to either clothing or the body.

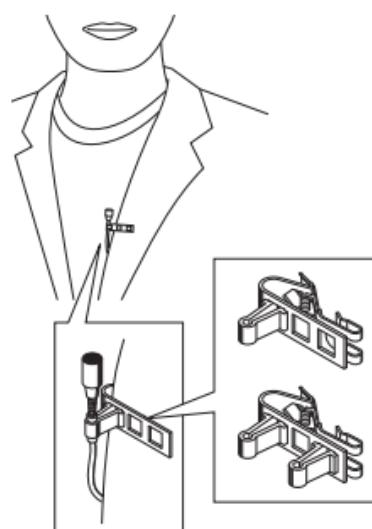


Attachment to the body

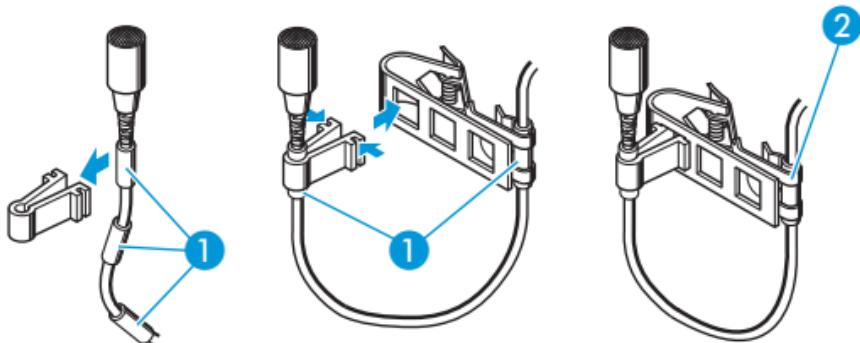
Use a suitable means (adhesive tape, hair clip, etc.) to attach the microphone to the hair or the body. For a better hold, use the cable sleeves on the microphone cable.

Attachment to clothing

Use the MZQ 02 clip to attach the microphone to a lapel, tie, collar, etc.



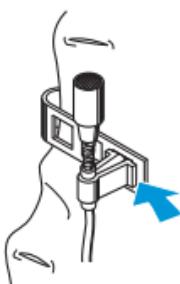
To fix the cable, snap one of the cable sleeves 1 into the microphone holder and guide the cable through the cable grip 2.



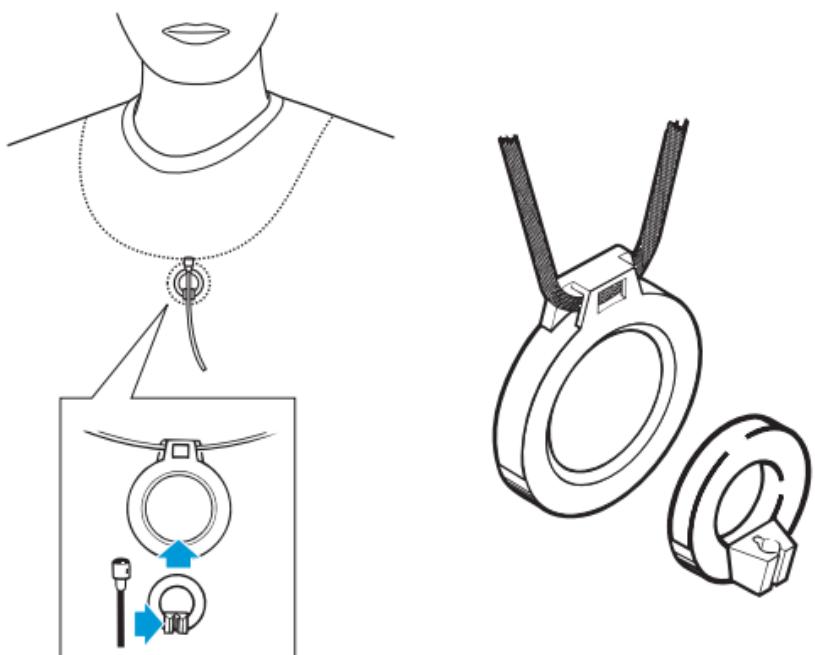
You can rotate the microphone holder in the clip in steps of 90°. Adjust the cable in the cable grip so that no cable loop is formed.



For thin cloths (e.g. silk), use the outermost hole where the clip's contact pressure is the highest.



The MZM 2/MZM 10 magnetic mount set can be used to unobtrusively attach the microphone to clothing. The frictional force between the micro-phone and the fabric is often sufficient to ensure that the microphone is not displaced. For smooth and soft cloths, the neckstrap (included in the delivery) ensures that the microphone is not displaced from its proper position.



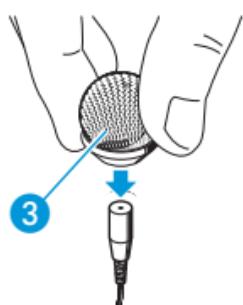
You can also use the ZH 102 pin mount ("Dracula" clip) to attach the microphone to clothing made of fabric that will not be damaged by the pins. This attachment withstands high mechanical loads and is also a very convenient solution if the clothing does not have collars or edges to which the MZQ 02 clip can be attached.



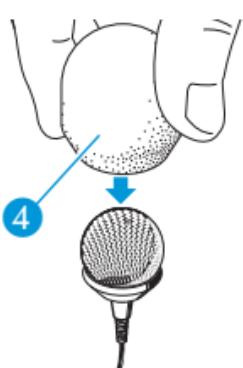
Wind protection

The quality of outdoor recordings and close miking can be impaired by wind noise. First of all, use the supplied MZC 1-2 frequency response cap.

An increased attenuation of wind noise can be obtained by using the MZW 1 basket windshield ③ and the MZW 02 foam windshield ④.



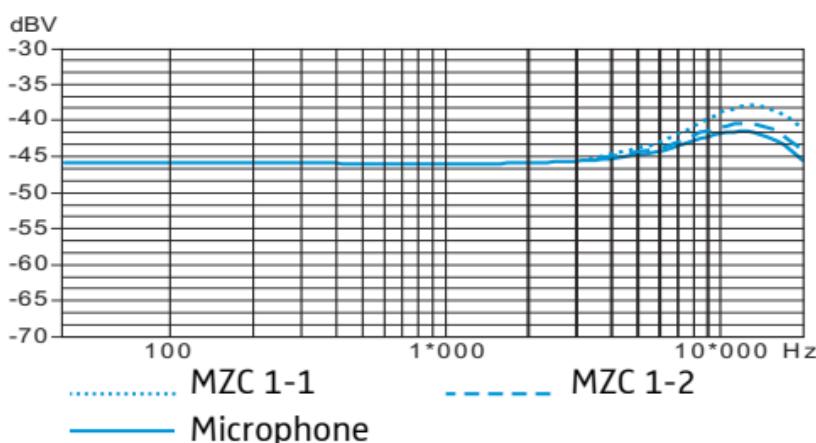
To begin with, use the MZW 1 basket windshield ③ which reduces wind noise by approx. 22 dB.



With the additional MZW 02 foam windshield ④ you can reduce wind noise by a further 10 dB.

The MZW 1 and MZW 02 are available as accessories.

Free-field frequency response curve



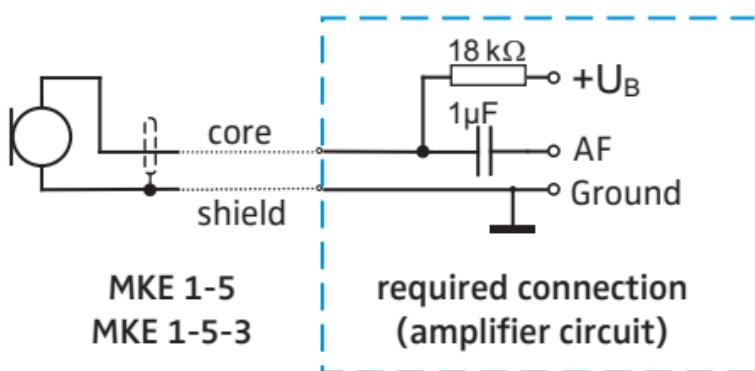
Specifications

MKE 1	-4	-4-3
Pick-up pattern	omni	omni
Frequency response	20–20,000 Hz ± 2.5 dB	20–20,000 Hz ± 2.5 dB
Sensitivity (free field, no load) (1 kHz)	5 mV/Pa ± 2.5 dB	5 mV/Pa ± 2.5 dB
Nominal impedance	1 kΩ	1 kΩ
Min. terminating impedance	4.7 kΩ	4.7 kΩ
Equivalent noise level A-weighted (DIN IEC 651)	27 dB	27 dB
CCIR-weighted (CCIR 468-1)	39 dB	39 dB
Max. SPL	142 dB	142 dB
Power supply	via SK 5212, SK 5012, SK 250, SK 50, SK 3063	via SK 5212, SK 5012, SK 250, SK 50, SK 3063
Connector	3-pin special connector	3-pin special connector
Color	black	beige
Cable length	1.6 m	1.6 m
Diameter of the microphone	3.3 mm	3.3 mm
Weight (w/o connector and cable)	0.1 g	0.1 g

Specifications

MKE 1	-5	-5-3
Pick-up pattern	omni	omni
Frequency response	20–20,000 Hz ± 2.5 dB	20–20,000 Hz ± 2.5 dB
Sensitivity (free field, no load) (1 kHz)	5 mV/Pa ± 2.5 dB	5 mV/Pa ± 2.5 dB
Nominal impedance	1 kΩ	1 kΩ
Min. terminating impedance	4.7 kΩ	4.7 kΩ
Equivalent noise level A-weighted (DIN IEC 651)	27 dB	27 dB
CCIR-weighted (CCIR 468-1)	39 dB	39 dB
Max. SPL	142 dB	142 dB
Power supply	4.5–15 V	4.5–15 V
Connector	open ends	open ends
Color	black	beige
Cable length	3 m	3 m
Diameter of the microphone	3.3 mm	3.3 mm
Weight (w/o connector and cable)	0.1 g	0.1 g

Connector assignment MKE 1-5/MKE 1-5-3



Accessories and spare parts

Item	Cat. No.
MZC 1-1 cap, small, black	513179
MZC 1-1 cap, small, beige	513198
MZC 1-2 cap, large, black	521701
MZC 1-2 cap, large, beige	513197
MZW 01 basket windshield, black	521724
MZW 01 basket windshield, beige	521726
MZC 1-3 make-up protector	521746
MZW 02 foam windshield, black	076615
MZQ 02 clip, black	076659
MZQ 02 clip, beige	076680
ZH 102 pin mount ("Dracula" clip), black	047957
ZH 102 pin mount ("Dracula" clip), beige	048456
MZM 2/MZM 10 magnetic mount set	001866

Manufacturer Declarations

Warranty

The guarantee period for this Sennheiser product is 24 months from the date of purchase. Excluded are accessory items, rechargeable or disposable batteries that are delivered with the product; due to their characteristics these products have a shorter service life that is principally dependent on the individual frequency of use.

The guarantee period starts from the date of original end-user purchase. For this reason, we recommend that the sales receipt be retained as proof of purchase. Without this proof (which will be checked by the responsible Sennheiser service partner) you will not be reimbursed for any repairs that are carried out.

Depending on our choice, guarantee service comprises, free of charge, the removal of material and manufacturing defects through repair or replacement of either individual parts or the entire device. Inappropriate usage (e.g. operating faults, mechanical damages, incorrect operating voltage), wear and tear, force majeure and defects which were known at the time of purchase are excluded from guarantee claims. The guarantee is void if the product is manipulated by non-authorised persons or repair stations.

In the case of a claim under the terms of this guarantee, send the device, including accessories and sales receipt, to the responsible service partner. To minimise the risk of transport damage, we recommend that the original packaging is used. Your legal rights against the seller, resulting from the contract of sale, are not affected by this guarantee.

The guarantee can be claimed in all countries outside the U.S. provided that no national law limits our terms of guarantee.

CE Declaration of Conformity

 This equipment is in compliance with the essential requirements and other relevant provisions of Directive 2004/108/EC. The declaration is available on the internet site at www.sennheiser.com.

Before putting the device into operation, please observe the respective country-specific regulations!

WEEE Declaration



Your Sennheiser product was developed and manufactured with high-quality materials and components which can be recycled and/or reused. This symbol indicates that electrical and electronic equipment must be disposed of separately from normal waste at the end of its operational lifetime.

Please dispose of this product by taking it to your local collection point or recycling centre for such equipment. This will help to protect the environment in which we all live.

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